M. A. R. 57 (Rule 116) **No. D** 271133

Measurement Book

Serial No. 3rd & part bill.

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency..Sri. Purushotham Raju. N.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of Work:- Construction of MPED Building (Govt School) at Talahalli Village in Ward No. 16.						
	Estimate Cost :- 500.00 lakhs						
	Job Code No.:- 017-19-000003 (P-3157)						
	AS No & Dt:- EE(P)/RRN/ASNo/17/18-19 Dt:- 02/03/2019.						
	TS No & Dt:- CE/RRN/TS No/227/18-19 Dt:- 05/03/2019.						
	Ag No & Dt:- EE(P)/RRN/AgNo/12/19-20 Dt. 02/08/2019.						
	No. No & Dt:- EE(P)/RRN/No./13/19-20 Dt:- 02/08/2019.						

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"Abstract"

MEASUREMENT BOOK

Item No. 1	Date	Full description, etc, of work 2	Previous Measurement: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Total Quantity to date as per last Measurement 8	
			Qty	Cost	Qty	Rate	Cost	Qty	Cost
1.		Clearing grubbing road lane including uprooting rank → Sqm	700=00	4900=00	—	7.00	—	700.00	4900=00
2.		Dismanteling of Existing structures like Culverts → cum	84.75	36273=00	—	428=00	—	84.75	36273=00
3.		Dismanteling of Existing structures like culvert Cement Mortar Above 125% → cum	16.96	5739=00	—	303=00	—	16.96	5739=00
			121.04	52743=00	—	435.75	—	121.04	52743=00
4.		Dismanteling of Existing structures like Culvert Stone Masonry → cum	97.50	29543=00	—	303=00	—	97.50	29543=00
5.		Earthwork Excavation for foundation of building in ordinary soil → cum	307.30	72216=00	—	235=00	—	307.30	72216=00

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M. A. R. 57 (Rule 116) **No. D 271134**

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
6.	Earthwork Excavation for found of buildings. - In hard soil	106.76	37473=00	—	351=00	—	106.76 37473=00
7.	Excavation by Manual means for found in soft rock	47.54	29855=00	—	628=00	—	47.54 29855=00
8.	Earthwork for lowering & levelling the ground other.	56.86	4778=00	—	84=00	—	56.86 4778=00
	Above 125% → cum	932.34	70606=00	—	75.73	—	932.34 70606=00
9.	Providing & Injecting Chemical Emulsion for. pre-construction → Sqm	442.50	58640=00	—	128=00	—	442.50 58640=00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement	
		Number	Length	Breadth	Depth			
1	2	3	4	5	6	7	8	
10.	Construction of Embankment with approved material → cum	262.75	98532=00	—	375=00	—	262.75	98532=00
11.	providing & laying in position PCC M 1:3:6 40mm thick	105.96	663733	—	6264=00	—	105.96	663733=00
12.	providing & laying in position PCC M 1:2:4 20mm → cum	3.30	22292=00	—	6755=00	—	3.30	22292=00
13.	providing & laying in position RCC M25 20mm GF → cum	20.86	161162=00	—	7723=00	—	20.86	161162=00
14.	providing & laying in position RCC M25 20mm FF → cum	2.72	21175=00	—	7785=00	—	2.72	21175=00
15.	providing & laying in position RCC M25 20mm SF → cum	3.17	24875=00	—	7847=00	—	3.17	24875=00

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M. A. R. 57 (Rule 116) **No. D** 271135

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Above 12.5% → cm	—	—	—	~~7522.70~~	—	— —
16.	Providing & laying in position PCC M25 20mm TF → cum	3.17	25072=00	—	7909=00	—	3.17 25072=00.
	Above 12.5% → cum	—	—	—	~~7597.19~~	—	— —
17.	Providing & laying Cement Concrete work 20mm down RNC GF → cum	325.54	2522935	—	7750=00	—	325.54 2522935=00
	Above 12.5% → cum	153.57	1067264	—	6949.69	—	153.57 1067264=00.
18.	Providing & laying Cement Concrete work 20mm down RNC FF → cum	108.87	843743	—	7750=00	—	108.87 843743=00.

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement	
		Number	Length	Breadth	Depth			
1	2	3	4	5	6	7	8	
19.	Providing & laying Cement Concrete using 20mm RNC SF → cum	109=00	844750	—	~~750~~=00	←	109=00	844750=00
20.	providing & laying Cement Concrete using 20mm RNC TFloor → cum	109=00	844750	—	~~750~~=00	—	109=00	844750=00.
22.	Providing & removing Centering Shuttering for found footing → Sqm	317.33	91074=00	—	287=00	—	317.33	91074=00
23.	Providing & removing Centering Shuttering for for Work sides & Soffit beam GF → Sqm	356.89	113491=00	—	318=00	—	356.89	113491=00
24.	providing & removing Centering Shuttering for sides & Soffit beam FF → Sqm	236.65	76675=00	—	324=00	—	236.65	76675=00.

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M. A. R. 57 (Rule 116) **No. D** 271136

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
25	Providing & removing Centering Shuttering work for sides Soffits Vcoon SF → Sqm	241.11	79566=00	—	330=00	—	241.11 79566=00 — —
	Above 125/. → Sqm	—	—	—	377.40	—	— —
26.	providing & removing Centering Shuttering work for sides & Soffits beam TF → Sqm	241.34	87089=00	—	336=00	—	241.34 87089=00 — —
	Above 125/. → Sqm	—	—	—	394.85	—	— —
28.	providing & removing centering for columns GF → Sqm	278.28	126339=00	—	454=00	—	278.28 126339=00 — —
29.	providing & removing Centering for Colums FF → Sqm	117.90	54352=00	—	461=00	—	117.90 54352=00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement	
		Number	Length	Breadth	Depth			
1	2	3	4	5	6	7	8	
30.	providing & removing, Centering for columns, pillars SF → Sqm	117.90	55859=00	—	467=00	—	117.90	55859=00
31.	providing & removing, Centering for ~~floor~~, columns, pillars, ~~roof slabs~~ SF → Sqm	117.90 740.13	55767=00 505509	—	473=00	—	117.90	55767=00
33.	providing & removing, Centering for, floor, roof slabs → SF → Sqm	740.13	505509=00	—	683=00	—	740.13	505509=00
	Above 12.5% → Sqm	85.46	42038=00	—	496.58	—	85.46	42038=00.
34.	providing & removing Centering Shuttering for flat Surface FF	445.12	304017=00	—	683=00	—	445.12	304017=00
35.	providing & removing Centering Shuttering for flat Surface SF → Sqm	445.12	304017=00	—	683=00	—	445.12	304017=00
36.	providing & removing Centering Shuttering for flat Surface TF for → Sqm	445.12	304017=00	—	683=00	—	445.12	304017=00

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M. A. R. 57 (Rule 116) **No. D** 271137

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
SP.	Providing & removing Centering Shuttering for edges GF → Sjm	37.43	31516=00	—	8412=00	—	37.43 31516=00
39.	providing & removing Centering shuttering for edges FF → Sjm	18.02	15251=00	—	8548=00	—	18.02 15241=00
40.	providing & removing Centering shuttering for edges SF → Sjm	18.02	15589=00	—	8814=00	—	18.02 15589=00
41	providing & removing Centering shuttering for edges FF → Sjm	18.02	15497=00	—	8680=00	—	18.02 15497=00
42.	providing & laying in position RCC M20 with 12mm GF → Sjm	8.78	4969=00	—	566=00	—	8.78 4969=00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
48.	providing & laying in position RCC M_{20} with 12mm TF → 5 jon	8.10	4633=00	—	572=00	—	F.10 4633=00
49.	providing & laying in position RCC M_{20} with 12mm SF → 5 jon	9.32	5396=00	—	579=00	—	9.32 5396=00
50.	providing & laying in position RCC M_{20} with 12mm TF → 5 jon	9.32	5452=00	—	585=00	—	9.32 5452=00
51.	providing & removing Centring Shuttering Chajjas GF → 5 jon	8.78	2941=00	—	335=00	—	8.78 2941=00
52.	providing & removing Centring Shuttering Chajjas FF → 5 jon	8.10	2762=00	—	341=00	—	8.10 2762=00
53	providing & removing Centring Shuttering Chajjas SF → 5 jon	9.32	5243=00	—	348=00	—	9.32 5243=00
54.	providing & removing Centring Shuttering Chajjas TF → 5 jon	9.32	3298=00	—	354=00	—	9.32 3298=00

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M. A. R. 57 (Rule 116) **No. D** 271138

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
55.	Extra for providing Throating ⓐ drip - GI → Rmtr	19.50	488=00	—	25=00	—	19.50 488=00
56.	Extra for providing Throating ⓑ drip - FF → Rmtr	18.00	450=00	—	25=00	—	18=00 450=00
57.	Extra for providing Throating ⓐ drip - SF → Rmtr	20.70	518=00	—	25=00	—	20.70 518=00
58.	Extra for providing Throating ⓐ drip TP → Rmtr	20.70	518=00	—	25=00	—	20.70 518=00
59.	providing lath plastering Cement mortar 1:3. 5mm Thick with 6mm → Sqm	113=00	135600=00	—	1200=00	—	113=00 135600=00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement	
		Number	Length	Breadth	Depth			
1	2	3	4	5	6	7	8	
60.	providing TMT steel reinforcement for RCC GF → MT	55.95	4209679	—	75241=00	—	55.95	4209679=00
	Above lds/-	—	—	—	8809.05	—	—	—
61.	providing TMT steel reinforcement for RCC FF → MT	17.85	1353572	—	75827=00	—	17.85	1353572=00
62.	providing TMT steel reinforcement for RCC SF → MT	17.85	1363972	—	76413=00	—	17.85	1363972=00
63.	providing TMT steel reinforcement for RCC TF → MT	17.85	1374432	—	76999=00	—	17.85	1374432=00
66.	providing & Constructing burnt brick Masonry GF → Cum	55.91	471042=00	16.19	8425=00	136401=00	72.10	607443=00
67.	providing & Constructing burnt brick Masonry - FF → cum	43.13	366044=00	6.37	8487=00	54062=00	49.50	420106=00.

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M. A. R. 57 (Rule 116) **No. D** 271133

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement	
		Number	Length	Breadth	Depth			
1	2	3	4	5	6	7	8	
68.	providing & Constructing burnt bricks Masonry SF	44.02	376327=00	6.37	8549=00	54457=00	50.39	430784=00
69.	providing & Constructing burnt brick Masonry TF → cum	44.02	379058=00	6.37	8611=00	54852=00	50.39	433901=00
70.	providing & Constructing burnt brick Masonry Terrace ff → cum	-	—	16.38	8673=00	142064=00	16.38	142064=00
71.	~~Provide~~ Const of partition wall 11:2cm thick GF → sqm	46.42	53754=00	—	1158=00	—	46.42	53754=00
72.	Const of partition wall 11.2cm thick with rcm module TF → sqm	46.42	54083=00	—	1164=00	—	46.42	54083=00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement	
		Number	Length	Breadth	Depth			
1	2	3	4	5	6	7	8	
73	Const of partition wall 11.2cms thick with non Modular SF - sqm	46.42	54358=00	—	1171=00	—	46.42	54358=00
74.	Const of partition wall 11.2cms thick Non Modular TF → sqm	46.42	54836	—	1171=00	—	46.42	54636=00
75.	providing 18mm thick Cement plaster in Single coat GF → sqm	330.77	100205=00	361.66	303=00	109401=00	691.77	209606=00
76.	providing 18mm thick cement plaster in Sigle coat FF → sqm	127.23	38551=00	204.72	303=00	62030=00	331.95	100551=00
77.	Providing 18mm thick Cement plastn in Sigle coat SF → sqm	127.23	38551=00	204.72	303=00	62030=00	331.95	100551=00
78.	providing 18mm thick cement plastn in Sigle coat TF → sqm	127.23	38551=00	204.72	303=00	62030=00	331.95	100551=00
	Above 125% → sqm	—	—	—	379.23	—	—	—

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M. A. R. 57 (Rule 116) **No. D 271140**

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
79.	providing 18mm thick Cement plaster in Sigle coat Ferror floor	—	—	158.78	303=00	4H10=00	158.78 4H10=00
80.	providing 15mm thick Cement plaster in sigle coat QF→5pm	1008.65	280405=00	—	278=00	—	1008.65 280405=00
81.	providing 15mm thick Cement plaster in Sigle coat FF→5pm	579.26	160570=00	—	284=00	—	579.26 160570=00
82.	providing 15mm thick Cement plaster in Sigle coat SF→5pm	581.38	169182=00	—	291=00	—	581.38 169182=00
83.	providing 15mm thick Cement plaster in Sigle coat TF→5pm	580.60	172438=00	—	297=00	—	580.60 172438=00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement	
		Number	Length	Breadth	Depth			
1	2	3	4	5	6	7	8	
85.	providing 12mm thick Cement plaster in single coat GF → Sqm	834.55	19486=00	—	263=00	—	834.55	19486=00
	Above 12.5% → Sqm	—	—	—	291.74	—	—	—
86.	providing 12mm thick Cement plaster in single coat FF → Sqm	464.19	124867=00	—	269=00	—	464.19	124867=00
87.	providing 12mm thick Cement plaster in single coat SF → Sqm	460.19	125116=00	—	276=00	—	460.19	125116=00
88.	providing 12mm thick Cement plaster in single coat TF → Sqm	460.19	130902=00	—	282=00	—	460.19	130902=00
90.	providing rough cement plastering 15mm thick GF → Sqm	—	—	117.60	195=00	22932=00	117.60	22932=00
91.	providing rough Cement plastering 15mm thick FF → Sqm	—	—	113.72	201=00	22858=00	113.72	22858=00
	Above 12.5% → Sqm	—	—	0.21	244.57	51=00	0.21	51=00

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M. A. R. 57 (Rule 116) **No. D** 271141

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
92.	Providing rough Cement plastin 15mm thick SF → Sqm	—	—	113.75	207=00	23546=00	113.75 23546=00
	Above 12.5% → Sqm	—	—	0.21	250.77	53=00	0.21 53=00.
93.	providing rough Cement plastering 15mm thick TF → Sqm	—	—	113.75	214=00	24343=00	113.75 24343=00
	Above 12.5% → Sqm	—	—	0.21	257.98	54=00	0.21 54=00.
94.	providing 20mm thick Cement plaster in Single coat PF → Sqm	23=00	7544=00	—	328=00	—	23.00 7544=00
95.	providing 20mm thick Cement plaster in Single coat SF → Sqm	23=00	7682=00	—	334=00	—	23=00 7682=00
96.	providing 20mm thick Cement plaster in Single coat SF → Sqm	23=00	7820=00	—	341=00	—	23=00 7820=00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement	
		Number	Length	Breadth	Depth			
1	2	3	4	5	6	7	8	
97.	providing & fixing plaster mesh 150mm wide GF ⟶ Rmr	25=00	11250=00	—	45=00	—	250=00	11250=00
98.	providing & fixing plaster mesh 150mm wide FF ⟶ Rmr	300=00	15900=00	—	53=00	—	300=00	15900=00
99.	providing & fixing Corner beads 45X45mm ⟶ Rmr	45=00	1440=00	—	32=00	—	45=00	1440=00
100.	providing & applying Two coats of wall putty to inside for. all floors ⟶ Sqm	—	—	5137.57	70=00	359626=00	5137.57	359626=00
112.	providing & finishing External wall in two coats GF ⟶ Sqm	—	—	691.77	95.50	66064=00	691.77	66064=00
113.	providing & finishing External wall in two coats FF ⟶ Sqm	—	—	331.95	97.50	32365=00	331.95	32365=00

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M. A. R. 57 (Rule 116) **No. D** 271142

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
114.	providing & finishing external walls in two coats SF → Sqm	~~331.95~~ —	~~99.5~~ —	331.95	99.50	53029=00	331.95 33029=00
115.	providing & finishing External walls in two coats FF → Sqm	—	—	331.95	101=00	~~3527~~ =00	331.95 33527=00
	Above 12ft. → Sqm	—	—	—	223.46	—	— —
122.	Providing & laying Flooring & steps from dressed granite slabs 90mm → Sqm	—	—	18.90	3924=00	74164=00	18.90 74164=00.
127.	providing & laying flooring to Corridors/lobbies. using 19mm thick water cut granite Qty → Sqm	—	—	36.40	3173=00	115497=00	36.40 115497=00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
128.	providing & laying flooring for Corridor/lobbies using Granite FF	—	—	24.65	3175=00	~~78264=00~~	24.65 ~~78264=00~~
129.	Providing & laying flooring for corridor/lobbies using granite SF→5/m	—	—	24.65	3177=00	~~78813=00~~ 78313=00	24.65 78313=00
130.	providing & laying flooring for Corridor/lobbies using granite TF→5/m	—	—	24.65	3179=00	~~78362=00~~	24.65 ~~78362=00~~
136.	providing full nosing for 20mm thick granite slab using →5/m	—	—	48=00	295=00	14160=00	48=00 14160=00
137.	Providing half nosing for 20mm thick granite slab →5/m	—	—	48=00	196=00	9408=00	48=00 9408=00
138.	providing Ceramic tiles of approved make, shade & size for flooring →GF	—	—	17.00	1460=00	24820=00	17=00 24820=00

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